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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/703,162	10/31/2000	Benjamin M. Cahill III	INTL-0438-US-(P9450)	9745

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EXAMINER

ABDULSELAM, ABBAS L

ART UNIT PAPER NUMBER

2674

DATE MAILED: 06/04/2002

2

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.  
09/703,162

Applicant(s)  
Benjamin M. Cahill III

Examiner  
Abbas Abdulsalam

Group Art Unit  
2674

- ☐ Responsive to communication(s) filed on \_\_\_\_\_
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claims

- ☒ Claim(s) 1-22 is/are pending in the application.
- Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- ☒ Claim(s) 1-22 is/are rejected.
- ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- ☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

- ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been
- ☐ received.
- ☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_.
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

- ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

- ☒ Notice of References Cited, PTO-892
- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_
- ☐ Interview Summary, PTO-413
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit: 2674

## DETAILED ACTION

### Claim Rejections 35 U.S.C. 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

Claims 1-22 are rejected under 35 U.S.C. 102(e) as being anticipated by Gloudermans et al. (USPN 6266100).

Regarding claims 1, 10 and 17, Gloudermans teaches a flicker filter operation (760) including a filtered alpha which is expressed as a function of the unfiltered alpha. Gloudermans teaches a set of hardware which enables blending of graphic with video. Gloudermans teaches PC concentrator (82), computers (94, 96) which help create the graphic and a set of alpha signals and a keyer (98) which receives graphic and alpha signals as well as a monitor (102). Furthermore, Gloudermans teaches a multi viewer (90) configuration which receives the desired program. See col.32, lines 41-63, Fig 2, Fig 24, col 2, lines 53 and col. 7, lines 25-53. Therefore an identical system is described as taught by Gloudermans.

Regarding claims 2 and 18, Gloudermans teaches the threshold comparison (506) and the threshold determination step (484). See Fig 15 and Fig 12 respectively.

Art Unit: 2674

Regarding claims 3-4 and 19-20, Gloudermans teaches the determination of alphas for each of the edge points. See Fig 24 (754). Gloudermans also teaches a sequence of operations for determining an alpha for an edge point including multiplying key fraction by nominal alpha (814). See Fig 26.

Regarding claims 5-6, and 15, Gloudermans teaches a flicker filter operation (760) and the flicker filter operation is performed according to a defined equation. See col. 32, 41-54.

Regarding claims 7-9 and 21-22, Gloudermans teaches the process and completion of flicker filter with respect to the graph drawn (762). See col. 33, lines 21-26 and Fig 24.

Regarding claim 11, Gloudermans teaches the steps of drawing graphs and employing the flicker filter operations are performed by a computer. See col. 23, lines 20-23. See Fig 24.

Regarding claims 12, 14 and 16, Gloudermans teaches determination of alphas for each graphic pixel in the frame with respect to keyer (98) in conjunction with program video. Gloudermans also teaches pixel (820) which represents a pixel in the program video for which alpha is being calculated. See col. 33, lines 21-27 and col. 31, lines 1-17.

Regarding claim 13, Gloudermans teaches a scenario where the graphic is simply added to the video without considering the contents of video signals. See col. 9, lines 204 and Fig 3(152).

Art Unit: 2674

### **Conclusion**

2. The prior art made of record and not relied upon is considered to applicant's disclosure.

The following arts are cited for further references.

U.S. Pat No. 5,384,912 to Ogrinc et al.

U.S. Pat No. 6,259,487 to Bril

U.S. Pat No. 6,281,933 to Ritter

U.S. Pat No. 6,320,619 to Jiang

Art Unit: 2674

3. Any inquiry concerning this communication or earlier communication from the examiner should be directed to **Abbas Abdulsalam** whose telephone number is **(703) 305-8591**. The examiner can normally be reached on Monday through Friday (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard Hjerpe**, can be reached at **(703) 305-4709**.

**Any response to this action should be mailed to:**

Commissioner of patents and Trademarks

Washington, D.C. 20231

**or faxed to:**

**(703) 872-9314**

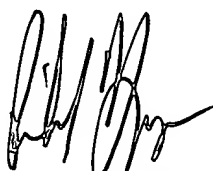
Hand delivered responses should be brought to crustal park II, Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology center 2600 customer Service office whose telephone number is (703) 306-0377.

Abbas Abdulsalam

Examiner

Art Unit 2674

  
**RICHARD HJERPE**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2300**